

WHAT IS CLAIMED IS:

1. An electrical connector assembly comprising:
a first pair of contact members, each comprising a first termination end and a first connection end;
a second pair of contact members, each comprising a second termination end and a second connection end, wherein the first connection end and the second connection end are in contact; and
a connector comprising a pair of wire receiving passages movable between a first position in which a pair of wires are held apart from the second termination end and a second position in which the pair of wires are inserted into the second termination end, wherein the connector is capable of removing the pair of wires from the second termination end and reinserting the pair of wires into the second termination end.
2. The assembly of Claim 1, further comprising a base member and a cap member, wherein the base member is configured to receive the first and second pairs of contact members, and the cap member is configured to urge a pair of wires into the first termination end.
3. The assembly of Claim 1, wherein the connector comprises a main body and a moveable receptacle, the moveable receptacle containing the wire receiving passages.
4. The assembly of Claim 1, wherein the first termination ends are insulation displacement connectors.
5. The assembly of Claim 4, wherein the insulation displacements connectors accept a pair of wires having a gauge of about 18½ AWG.

6. The assembly of Claim 1, wherein the second termination ends are insulation displacement connectors.

7. The assembly of Claim 6, wherein the displacements connectors accept a pair of wires having a gauge of about 19 to about 26 AWG.

8. The assembly of Claim 1, wherein the first pair of contact members further comprises a pair of contacts capable of handling a surge arrestor.

9. The assembly of Claim 8, further comprising a surge arrestor.

10. The assembly of Claim 9, wherein the surge arrestor is a primary surge protector.

11. The assembly of Claim 9, wherein the surge arrestor is a secondary surge protector.

12. The assembly of Claim 9, further comprising a grounding member connected to the surge arrestor.

13. The assembly of Claim 12, wherein the grounding member is a wire.

14. The assembly of Claim 1, wherein the connector further comprises a test port adapted to receive a test device.

15. An electrical connector assembly comprising:
a first pair of contact members, each comprising a first termination end and a first connection end,
a surge arrestor positioned between the first pair of contact members;

a second pair of contact members, each comprising a second termination end and a second connection end, wherein the first connection end and the second connection end are in contact; and

a connector comprising a pair of wire receiving passages movable between a first position in which a pair of wires are held apart from the second termination end and a second position in which the pair of wires are inserted into the second termination end, wherein the connector is capable of removing the pair of wires from the second termination end and reinserting the pair of wires into the second termination end.

16. The assembly of Claim 15, further comprising a base member and a cap member, wherein the base member is configured to receive the first pair of contact members and the second pair of contact members, and the cap member is configured to urge a pair of wires into the first termination end.

17. The assembly of Claim 15, wherein the connector comprises a main body and a moveable receptacle, the moveable receptacle containing the wire receiving passages.

18. The assembly of Claim 15, wherein each of the first termination ends is an insulation displacement connector.

19. The assembly of Claim 15, wherein each of the second termination ends is an insulation displacement connector.

20. The assembly of Claim 15, further comprising a pair of surge arrestor contacts spaced so as to accept the surge arrestor.

21. The assembly of Claim 15, further comprising a grounding member connected to the surge arrestor.

22. The assembly of Claim 21, wherein the grounding member is a wire.
23. An electrical connector comprising:
 - a pair of contact members, each comprising a first insulation displacement connector at a first end and a second insulation displacement connector at a second end, wherein the first and second insulation displacement connectors are configured to enable two wire pairs to be linked;
 - a surge arrestor positioned between the pair of contact members; and
 - a grounding member connected to the surge arrestor.
24. The connector of Claim 23, wherein the contact members include a main body member, and wherein the first end and the second ends of the contact member extend in a direction substantially transverse to the main body member of the contact member.
25. The connector of Claim 23, wherein each contact member includes a contact arm extending in a direction substantially transverse to the main body member.
26. The connector of Claim 25, further comprising a pair of surge arrestor contacts.
27. The connector of Claim 26, wherein the surge arrestor is positioned between the pair of surge arrestor contacts.
28. The connector of Claim 23, further comprising a base member, a first cap and a second cap, wherein the base member is configured to receive the first and second caps.
29. The connector of Claim 23, further comprising a base member and a cap member, wherein the base member is configured to receive the cap member.

30. The connector of Claim 23, wherein the insulation displacement connectors at the first end and the second end are configured to receive a wire of about 19 to about 26 AWG.

31. The connector of Claim 23, wherein the connector includes a factory-installed sealant configured to protect against corrosion and sealing out moisture.

32. The connector of Claim 28, wherein the first cap and the second cap are configured to urge a portion of a wire into the insulation displacement connectors.

33. The connector of Claim 29, wherein the cap member is configured to urge a portion of a wire into the insulation displacement connectors

34. The connector of Claim 33, wherein the grounding member is a wire.

35. An electrical terminal for linking two wire pairs, comprising:
a housing, the housing comprising a base member and at least two
movable covers adapted to receive two wire pairs; and
a connector, the connector comprising:
a pair of contact members comprising a first end and a
second end, each end comprising an insulation displacement connector configured
to enable two wire pairs to be linked;
a surge arrestor positioned between the contact members; and
a grounding member connected to the surge arrestor.

36. The terminal of Claim 35, wherein the first end and the second end
of the contact members are transverse to the contact member.

37. The terminal of Claim 35, wherein the grounding member is a wire.

38. An electrical terminal for linking two wire pairs, comprising:
 - at least two contact members, each contact member bent to have a first end and a second end, each end comprising a self-stripping slot formed therein configured to receive a wire having an insulation protective coating;
 - a surge arrestor positioned between the contact members; and
 - a grounding member connected to the surge arrestor.
39. The electrical terminal of Claim 38, further comprising a housing, the housing comprising a base member and at least two movable covers adapted to receive two wire pairs.
40. The electrical terminal of Claim 38, wherein the grounding member is a wire.
41. A method of connecting two wire pairs comprising:
 - providing an electrical connector assembly comprising:
 - a first pair of contact members, each comprising a first termination end and a first connection end;
 - a second pair of contact members, each comprising a second termination end and a second connection end, wherein the first connection end and the second connection end are in contact;
 - a connector comprising a pair of wire receiving passages movable between a first position in which a pair of wires are held apart from the second termination end and a second position in which the pair of wires are inserted into the second termination end, wherein the connector is capable of removing the pair of wires from the second termination end and reinserting the pair of wires into the second termination end; and
 - a base member adapted to receive the first pair of contact members and the second pair of contact members, and a cap member, the cap member adapted to urge a pair of wires into the first termination end;

inserting a first two wire pair into a first pair of openings in the cap member and positioning an end of the first two wire pair in a vicinity of the first termination end;

closing the cap member onto the base member to urge the first wire pair into the first termination end;

inserting a second two wire pair into the wire receiving passage of the connector; and

moving the connector from the first position in which the second pair of wires are held apart from the second termination end to the second position in which the second pair of wires are inserted into the second termination end.

42. The method of Claim 41, wherein the first pair of contact member further comprises a surge arrestor positioned between the first pair of contact members.

43. The method of Claim 41, further comprising placing the connector in the first position in which the wires are held apart from the second termination and placing a test clip in a test port of the connector to test an electrical connection between a central office and the first termination end.

44. The method of Claim 41, further comprising placing the connector in the second position in which the wire are engaged with the second termination end and placing a test clip in a test port of the connector to test the electrical connection between the central office and a customer.

45. An electrical connector assembly comprising:
a first pair of contact members, each comprising a first termination end and a first connection end;
a second pair of contact members, each comprising a second termination end and a second connection end;

a pair of surge arrestor contact members, wherein the first connection end is connected to a first end of the surge arrestor contact member and the second connection end is connected to a second end of the surge arrestor contact member;

a surge arrestor positioned between the pair of surge arrestor contact members; and

a grounding member connected to the surge arrestor.

46. The assembly of Claim 45, wherein the base members comprises an arrestor contact for positioning the surge arrestor between the pair of base members.

47. The assembly of Claim 45, further comprising a first connector comprising a pair of wire receiving passages movable between a first position in which a pair of wires are held apart from the first termination end and a second position in which the pair of wires are inserted into the first termination end, wherein the connector is capable of removing the pair of wires from the first termination end and reinserting the pair of wires into the first termination end.

48. The assembly of Claim 47, further comprising a second connector comprising a pair of wire receiving passages movable between a first position in which a pair of wires are held apart from the second termination end and a second position in which the pair of wires are inserted into the second termination end, wherein the connector is capable of removing the pair of wires from the second termination end and reinserting the pair of wires into the second termination end.

49. The assembly of Claim 48, further comprising a housing, the housing comprising a base member and a cap member, wherein the base member is configured to receive the first pair of contact members, the second pair of contact members and the surge arrestor contact member.

50. The assembly of Claim 48, wherein the first connector and the second connector comprises a main body and a moveable receptacle, the moveable receptacle containing the wire receiving passages.

51. The assembly of Claim 45, wherein the first and the second termination ends are insulation displacement connectors.

52. The assembly of Claim 51, wherein the insulation displacements connectors accept a pair of wires having a gauge of about 19 to about 26 AWG.

53. The assembly of Claim 45, wherein the surge arrestor is a primary surge protector.

54. The assembly of Claim 45, wherein the surge arrestor is a secondary surge protector.

55. The assembly of Claim 47, wherein the first connector further comprises a test port adapted to receive a test device.

56. The assembly of Claim 48, wherein the second connector further comprises a test port adapted to receive a test device.

57. The assembly of Claim 56, wherein the grounding member is a wire.

58. An electrical connector comprising:

at least two contact members, each contact member bent to have a first end and a second end; wherein the second end comprises a self-stripping slot formed therein and configured to receive a wire having an insulation protective coating;

a first connector comprising a pair of wire receiving passages movable between a first position in which a pair of wires are held apart from the

first end and a second position in which the pair of wires are inserted into the first end, wherein the connector is capable of removing the pair of wires from the first end and reinserting the pair of wires into the first end;

a surge arrestor positioned between the contact members; and
a grounding member connected to the surge arrestor.

59. The connector of Claim 58, further comprising a housing, the housing comprising a base member configured to receive the first pair of contact members and the second pair of contact members, and a cap member configured to urge a pair of wires into the first termination end.

60. The connector of Claim 58, wherein the connector comprises a main body and a moveable receptacle, the moveable receptacle containing the wire receiving passages.

61. The connector of Claim 58, further comprising a second connector comprising a pair of wire receiving passages movable between a first position in which a pair of wires are held apart from the second end and a second position in which the pair of wires are inserted into the second end, wherein the connector is capable of removing the pair of wires from the second end and reinserting the pair of wires into the second end.

63. The connector of Claim 58, wherein the contact members include a main body member, and wherein the first end and the second ends of the contact member extend in a direction substantially transverse to the main body member of the contact member.

64. The connector of Claim 63, wherein each contact member includes a contact arm extending in a direction substantially transverse to the main body member.

65. The connector of Claim 64, further comprising a pair of surge arrestor contacts.
66. The connector of Claim 65, wherein the surge arrestor is positioned between the pair of surge arrestor contacts.
67. The connector of Claim 66, wherein the grounding member is a wire.